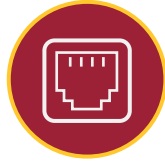


Modbus TCP/IP

Modbus RTU adapted to ethernet. Open protocol popular in motor control and industrial monitoring. Used frequently in Eaton motor control centers and switchgear.



Network Protocols ETHERNET

Ethernet, by itself, is not a protocol, but a description of the physical cabling, connections, and structured sequence of the data flow. Ethernet is the most popular and fastest growing communication means due to its high speed, simple connections, no limit on number of devices, and ease of integration into the Internet of Things.

Speed - 100 Mb/s
Distance - Unlimited
Devices - Infinity



Profinet

Process field net. Siemens automation protocol similar to Profibus adapted for use over ethernet.



BACnet/IP

Developed by ASHRAE, BACnet MSTP adapted to ethernet. Used exclusively in **B**uilding **A**utomation **C**ontrol **n**etworks.



EtherCAT

Ethernet for **C**ontrol **A**utomation **T**echnology. Popular industrial protocol, but seldom used in Eaton equipment.



Ethernet/IP

Rockwell Automation protocol made open to automation community. Usually used in conjunction with Rockwell programmable logic controllers. Popular in motor control and industrial monitoring.



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